

Abstract of the Disclosure

A projection objective has at least five lens groups (G1 to G5) and has several lens surfaces. At least two aspheric lens surfaces are arranged so as to be mutually adjacent. These 5 mutually adjacently arranged lens surfaces are characterized as a double asphere. This at least one double asphere (21) is mounted at a minimum distance from an image plane (0') which is greater than the maximum lens diameter (D2) of the objective.